 Platform Dev 1 Pankaj Mehra

[](https://withsalesforce.files.wordpress.com/2015/08/certification.png) Salesforce certified platform developer 1

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1. Salesforce AppExchange Overview Demo  
<http://www.salesforce.com/platform/appexchange/appexchange-overview-demo.jsp?d=70130000000mC5D&internal=true>  
Salesforce Appexchange is the leading business app marketplace

Customers can   
install apps  
read reviews  
customize apps (unmanaged)  
Apps run on salesforce 1 platform - pre integrated - ugrades are automatic and hassle free

2. Working with Schema Builder  
Schema Builder provides a dynamic environment for viewing and modifying all the objects and relationships in your app.  
Schema Builder is enabled by default and lets you add the following to your schema:  
a. Custom objects  
b. Lookup relationships  
c. Master-detail relationships  
d. All custom fields except: Geolocation

If your schema contains many objects and fields, it may cause long loading times. Click **Hide Relationships** to improve Schema Builder performance.

3. Trailhead: Working with Schema Builder  
<https://developer.salesforce.com/trailhead/data_modeling/schema_builder>

4. Apex Workbook (<https://resources.docs.salesforce.com/sfdc/pdf/apex_workbook.pdf>)  
Primitive Data Types and Variables

These are the data types and variables that this tutorial covers.  
• String: Strings are set of characters and are enclosed in single quotes. They store text values such as a name or an address.  
String myVariable = 'Hey Look! I am a string!!';  
String myVariable = String.valueOf(Date.today());  
String myVariable = 'Hey Look ' + 'I am a concatenated String!';  
  
String x = 'I am a string';  
String y = 'I AM A STRING';  
System.debug (x == y); What is the answer? -> True as "==" and "!=" are case insensitive comparisons  
  
There are also other String methods like str.length(), .endsWith('');..have a basic understanding of all the string methods  
<https://developer.salesforce.com/docs/atlas.en-us.apexcode.meta/apexcode/apex_methods_system_string.htm>

• Boolean: Boolean values hold true or false values and you can use them to test whether a certain condition is true or false.

The negation operator "!" is important  
&&(AND operator) and ||(OR operator)  
  
Ternary conditional operation  
If x, a Boolean, is true, then the result is y; otherwise it is z.   
x ? y : z

• Time, Date and Datetime: Variables declared with any of these data types hold time, date, or time and date values combined.  
The basics of any timestamp fields on the Salesforce sObjects  
Date.newInstance()..  
Time.newInstance()..  
Datetime.newInstance()..

System.today(), date.today()  
System.now(), Datetime.now()  
System.now().time(), Datetime.now().time()

Date methods - <https://developer.salesforce.com/docs/atlas.en-us.apexcode.meta/apexcode/apex_methods_system_date.htm>  
Datetime methods - <https://developer.salesforce.com/docs/atlas.en-us.apexcode.meta/apexcode/apex_methods_system_datetime.htm>

• Integer, Long, Double and Decimal: Variables declared with any of these data types hold numeric values.  
Integer  
A 32-bit number that doesn’t include a decimal point. Integers have a minimum value of -2,147,483,648 and a maximum value of  
2,147,483,647.  
Long  
A 64-bit number that doesn’t include a decimal point. Longs have a minimum value of -263 and a maximum value of 263-1.  
Double  
A 64-bit number that includes a decimal point. Doubles have a minimum value of -263 and a maximum value of 263-1.  
Decimal  
A number that includes a decimal point. Decimal is an arbitrary precision number. Currency fields are automatically assigned the  
type Decimal.

• Null variables: Variables that you don’t assign values to.  
If you declare a variable and don't initialize it with a value, it will be null. In essence, null means the absence of a value. You can  
also assign null to any variable declared with a primitive type.

• Enum: An enumeration of contant values.  
Use enumerations (enums) to specify a set of constants. Define a new enumeration by using the enum keyword followed by the list of  
identifiers between curly braces. Each value in the enumeration corresponds to an Integer value, starting from zero and incrementing  
by one from left to right. Because each value corresponds to a constant, the identifiers are in upper case. For example, this example  
defines an enumeration called Season that contains the four seasons:  
public enum Season {WINTER, SPRING, SUMMER, FALL}

5. Apex Workbook (<https://resources.docs.salesforce.com/sfdc/pdf/apex_workbook.pdf>)  
sObjects and the database

What is a sObject - An sObject is any object that can be stored in the Force.com platform database. These are not objects in the sense of instances of Apex classes; rather, they are representations of data that has or will be persisted. Not that fancy people - sObject is a holder of a salesforce record. It could be externally visible user object or internal referenced in Salesforce.com  
sObject is a generic abstract type that corresponds to any persisted object type. The generic sObject can be cast into a specific sObject  
type, such as an account or the Invoice\_Statement\_\_c custom object.

SOQL and SOSL Queries  
The same way database systems support a query language for data retrieval, the Force.com peristence layer also provides two query  
languages.  
• Salesforce Object Query Language (SOQL) is a query-only language. While similar to SQL in some ways, it's an object query language  
that uses relationships, not joins, for a more intuitive navigation of data. This is the main query language that is used for data retrieval  
of a single sOobject and its related sObjects. You'll see an example in a minute.  
• Salesforce Object Search Language (SOSL) is a simple language for searching across all multiple persisted objects simultaneously.  
SOSL is similar to Apache Lucene.  
You can write queries directly in Apex without much additional code since Apex is tightly integrated with the database.

SOQL queries return a sObject or a list<sObject>  
SOSL queries always return a list<list<sObject>>

sObject Relationships and Dot Notation  
sObjectTypeName parentObject = objectA.RelationshipName; //traversing from child to parent  
DataType s = objectA.RelationshipName.FieldName; //traversing to a field on the parent from the child record

SOQL For Loops

1. traditional for loops  
for(Integer i=0; i < listTemporary.size() ; i ++){  
listTemporary[i] could be used  
}

2. List iterating for loops  
listTemporary = [SOQL query..];   
for(sObject iterating\_temp : listTemporary){  
your code here!!  
}

3. Inline SOQL for loops  
for(sObject iterating\_temp : [SOQL query..]){  
your code here!!  
}

Apex Data Manipulation Language  
  
\* Insert   
\* Update  
\* Delete  
\* UnDelete  
\* Upsert - Inserts/updates based on Salesforce Id or existing external ID prescribed

Database DML Methods  
Database.insert();  
Database.update();  
Database.upsert();  
Database.delete();  
Database.undelete();

When to Use DML Statements and Database DML Statements  
Typically, you will want to use Database methods instead of DML statements if you want to allow partial success of a bulk DML operation  
by setting the opt\_allOrNone argument to false. In this way, you avoid exceptions being thrown in your code and you can  
inspect the rejected records in the returned results to possibly retry the operation. (You’ll learn about exceptions in the next tutorial:  
Exception Handling.) Database methods also support exceptions if not setting the opt\_allOrNone argument to false.  
Use the DML statements if you want any error during bulk DML processing to be thrown as an Apex exception that immediately interrupts  
control flow and can be handled using try/catch blocks. This behavior is similar to the way exceptions are handled in most database  
procedure languages.

Force.com developer guide - <https://resources.docs.salesforce.com/sfdc/pdf/salesforce_apex_language_reference.pdf>

6. Data types and variables

Refer to point# 4  
Addition to point# 4

list - ordered, non-unique collection of data  
set - unordered, unique collection of data  
map - key, value pair collection of data. Keys have to be unique, values neednt be unique

Expressions and operators - <https://developer.salesforce.com/docs/atlas.en-us.pages.meta/pages/pages_variables_operators.htm>

Force.com developer guide - <https://resources.docs.salesforce.com/sfdc/pdf/salesforce_apex_language_reference.pdf>

7. Dynamic APEX

a. Understanding the APEX Describe information  
2 methods   
i) Token - using a lightweight, serializable reference to sObject or field validated at run time  
ii) describeSObjects - method from the schema class

Both returns Schema.describeSObjectResult - non-serializable and validated at run time.  
Schema.DescribeSObjectResult dsr = Account.sObjectType.getDescribe();  
Schema.DescribeFieldResult dfr = Schema.sObjectType.Account.fields.Name;  
//Get the describe result from the token  
dfr = dfr.getSObjectField().getDescribe();

Accessing All Field Describe Results for an sObject  
Map<String,Schema.SObjectField> fieldMap = Schema.SObjectType.Account.fields.getMap();

b. Dynamic SOQL  
List<sObject> sobjList = Database.query(string);

Note: Binding variables have to split from the query string. Dynamic SOQL will throw a - "variable does not exist" error  
SOQL injection - To prevent SOQL injection, use the escapeSingleQuotes method. This method adds the escape character (\) to all single quotation marks in a string that is passed in from a user. The method ensures that all single quotation marks are treated as enclosing strings, instead of database commands.

c. Dynamic SOSL

List<List<sObject>> myQuery=search.query(SOSL\_search\_string);

d. Dynamic DML  
Account a = Database.query( 'SELECT Id FROM account LIMIT 1' );  
Can also be used with newSObject method  
SObject s = Database.query( 'SELECT Id FROM account LIMIT 1' )[0].getSObjectType().newSObject([SELECT Id FROM Account LIMIT 1][0].Id);

Force.com developer guide - <https://resources.docs.salesforce.com/sfdc/pdf/salesforce_apex_language_reference.pdf>

8. Working with Data in Apex  
  
i) sObject - already covered in point # 5  
  
ii) Custom labels - If you want to display error messages/visual force headers/validation rules in languages based on user's record, then custom label is your best friend.  
String errorMsg = System.Label.generic\_error;  
  
iii) Accessing sObject Fields - Covered in dynamic apex - Point # 7 - DescribeResult

iv) DML vs Database methods  
One difference between the two options is that by using the Database class method, you can specify whether or not to allow for partial  
record processing if errors are encountered. You can do so by passing an additional second Boolean parameter. If you specify false  
for this parameter and if a record fails, the remainder of DML operations can still succeed. Also, instead of exceptions, a result object  
array (or one result object if only one sObject was passed in) is returned containing the status of each operation and any errors encountered.  
By default, this optional parameter is true, which means that if at least one sObject can’t be processed, all remaining sObjects won’t  
and an exception will be thrown for the record that causes a failure.

The following helps you decide when you want to use DML statements or Database class methods.  
  
• Use DML statements if you want any error that occurs during bulk DML processing to be thrown as an Apex exception that immediately  
interrupts control flow (by using try. . .catch blocks). This behavior is similar to the way exceptions are handled in most  
database procedural languages.

• Use Database class methods if you want to allow partial success of a bulk DML operation—if a record fails, the remainder of the DML  
operation can still succeed. Your application can then inspect the rejected records and possibly retry the operation. When using this  
form, you can write code that never throws DML exception errors. Instead, your code can use the appropriate results array to judge  
success or failure. Note that Database methods also include a syntax that supports thrown exceptions, similar to DML statements.

Most operations overlap between the two, except for a few.  
• The convertLead operation is only available as a Database class method, not as a DML statement.  
• The Database class also provides methods not available as DML statements, such as methods transaction control and rollback,  
emptying the Recycle Bin, and methods related to SOQL queries.

Apex Data Manipulation Language  
  
\* Insert   
\* Update  
\* Delete  
\* UnDelete  
\* Upsert - Inserts/updates based on Salesforce Id or existing external ID prescribed

Database DML Methods  
Database.insert();  
Database.update();  
Database.upsert();  
Database.delete();  
Database.undelete();

9. Control Flow Statements  
  
Apex supports the following five types of procedural loops:  
• do {statement} while (Boolean\_condition);  
• while (Boolean\_condition) statement;  
• for (initialization; Boolean\_exit\_condition; increment) statement;  
• for (variable : array\_or\_set) statement;  
• for (variable : [inline\_soql\_query]) statement;  
All loops allow for loop control structures:  
• break; exits the entire loop  
• continue; skips to the next iteration of the loop

10. Triggers and Order of Execution  
<https://developer.salesforce.com/docs/atlas.en-us.apexcode.meta/apexcode/apex_triggers_order_of_execution.htm>

11. Lightning Components Developer’s Guide (Basic level questions - read first 2 chapters)  
<https://resources.docs.salesforce.com/sfdc/pdf/lightning.pdf>

12. Introducing Lightning Components  
<https://developer.salesforce.com/trailhead/modules>  
Just complete these trailheads and you are good for the exam!

13. Invoking Apex  
<https://youtu.be/ScEyirckrD4?list=PLLEljoYbeYUWgVLyi4qKLzTU-NE6sqt4o>  
This youtube will cover it all. 20 min video and this will do it

14. Testing APEX  
Part 1 - <https://youtu.be/mKtYud7wgRE?list=PLLEljoYbeYUWgVLyi4qKLzTU-NE6sqt4o>  
Part 2 - <https://youtu.be/PTorr9UzlHk?list=PLLEljoYbeYUWgVLyi4qKLzTU-NE6sqt4o>

Topics Covered  
The questions are pretty much taken from the topics listed in the certification guide and the % of questions from the topics are close to what's mentioned in the guide..  
  
50% of the questions are across the below 5 topics (say close to 10% for each topic)

**Platform Basics**

Multi tenancy architecture - read thru the benefits & constraints of sharing a single instance with multiple clients and how enforcing limits helps to share the resources between the clients

MVC - what parts of the platform corresponds to M , V , C

Appexchange - when will you use managed package, unmanaged package, buy vs build scenario

where will you develop managed packages

**Data Model & Management**

Data Import - how to update existing records during import by mapping external id

Schema builder use cases - example : how to delete a field if its referenced in apex

Object Relationships - Lookup vs Master Detail, how object / record security works between parent & child in both these relationship types

**User Interface**

Visualforce

Merge fields, data binding between your VF page and Controller properties & methods

Using Global variables

Accessing Custom Settings value based on Current User's profile

Lightning Components

Where does the controller logic exist ?

what's included in the resource bundle ?

identify the benefits of lightning components

**Testing**

understand the normal flow of a test method

Creating & Accessing Pricebook and product data in test methods

using TestVisible to allow test methods to access a class private methods

preparing test data for the test methods using testdatafactory, test setup methods

where to store test data and load them in test methods for bulk testing

where all you can run your test classes and check the results

**Debug & Deploy**

Go thru the log filters, know how to set the filters on apex classes & triggers

Developer console - how to use the checkpoint window , log viewer

Changesets - possible source & destination in a changeset, deploy / rollback in a changeset, deployment connections

Force IDE - what can be updated thru the IDE

and the bulk of the remaining 50% comes from the topic

**Logic & Process Automation**

Apex Classes

* Limits Class - how to get total limits and limits used
* Schema Class - how to find get record type details, picklist values, object & field information, etc..
* Exception handling - multiple catch blocks, identify which catch block gets run
* Anonymous Execution - user vs system permissions
* Accessing sharing information in apex
* Inheritance, Interfaces & Inner Classes
* Variables - Primitive, SObjects, Scope of variables
* Collections - List vs Set vs Map
* how a multi picklist field value is represented in apex

Apex Triggers

* Order of execution - when the data change gets committed
* Bulkification- what should be avoided in a loop
* DML - direct CRUD vs Database methods, using AllOrNone flag to allow partial records to be committed.
* Error handling - how to pass error back to the user from triggers, how to identify if we are approaching a limit and warn the user
* Best practices
* when can we change values of incoming record in a trigger without doing any additional DML

Apex Controllers for Visualforce

when to use Standard, Standard Set, Custom & Extenstion controllers

SOQL

handling the results of the query

SOQL for loops

Declarative World

Workflow rules - cross object field updates,

Validation rules - making a field mandatory based on a picklist value

Process Builder

Rollup fields - where can you declare rollup fieds, possible rollup fields between Standard objects

Formula fields - should be able to identify valid operations in a formula field from the given list

## Study Resources

* Read these resources first:
* [I’m in the process of earning my Salesforce Certified Advanced Developer Credential. What’s my path?](http://www.salesforce.com/campaigns/success-services/developer-certification-in-progress.jsp)
* [I’m a Salesforce Certified Force.com Advanced Developer. What’s my path?](http://www.salesforce.com/campaigns/success-services/advanced-force-developer-certification.jsp)
* [Force.com Apex Developer Guide](https://developer.salesforce.com/docs/atlas.en-us.apexcode.meta/apexcode/)
* [Visualforce Developer Guide](https://developer.salesforce.com/docs/atlas.en-us.pages.meta/pages/)
* [Visualforce Performance Best Practices](https://developer.salesforce.com/docs/atlas.en-us.salesforce_visualforce_best_practices.meta/salesforce_visualforce_best_practices/)
* [Triggers and Order of Execution](https://developer.salesforce.com/docs/atlas.en-us.apexcode.meta/apexcode/apex_triggers_order_of_execution.htm)
* [Governors and Limits](https://developer.salesforce.com/docs/atlas.en-us.apexcode.meta/apexcode/apex_gov_limits.htm)
* [SOAP API : Standard Objects](https://developer.salesforce.com/docs/atlas.en-us.api.meta/api/sforce_api_objects_list.htm)
* [Salesforce Standard Features with Apex](https://developer.salesforce.com/docs/atlas.en-us.apexcode.meta/apexcode/apex_forcecom_intro.htm)
* [Advanced Currency Management (Dated Exchange Rates)](https://help.salesforce.com/apex/HTViewHelpDoc?id=administration_about_advanced_currency_management.htm)
* [Compound Fields (Address Compound Fields)](https://developer.salesforce.com/docs/atlas.en-us.api.meta/api/compound_fields.htm)
* [UPSERT call in API](https://developer.salesforce.com/docs/atlas.en-us.api.meta/api/sforce_api_calls_upsert.htm)
* [Apex & Visualforce Best Practices](https://developer.salesforce.com/blogs/engineering/2015/05/developer-practices-checklist.html)
* [Apex Webservices & Callouts](https://developer.salesforce.com/page/Apex_Web_Services_and_Callouts)
* [Salesforce Development Lifecycle Guide](https://developer.salesforce.com/docs/atlas.en-us.dev_lifecycle.meta/dev_lifecycle/dev_tools.htm)
* [Visualforce Workflow Guide](http://resources.docs.salesforce.com/198/14/en-us/sfdc/pdf/salesforce_vpm_implementation_guide.pdf)
* [Lightning Components Developer Guide](https://developer.salesforce.com/docs/atlas.en-us.lightning.meta/lightning/)
* [Introduction to Lightning Components](https://www.youtube.com/watch?v=qm_kQFfRIaY&feature=youtu.be)
* [Salesforce1 Platform](https://developer.salesforce.com/platform)
* [Salesforce1 Reporting REST API Developer Guide](https://developer.salesforce.com/docs/atlas.en-us.api_analytics.meta/api_analytics/)
* [Salesforce1 Analytics API Hands-On Training Webinar](https://www.youtube.com/watch?v=NvQ4NNbo5RQ&feature=youtu.be)
* [RestContext in REST API](https://developer.salesforce.com/docs/atlas.en-us.apexcode.meta/apexcode/apex_methods_system_restcontext.htm)
* [Apex Managed Sharing](https://developer.salesforce.com/docs/atlas.en-us.apexcode.meta/apexcode/apex_bulk_sharing.htm)
* [Salesforce Mobile SDK](https://developer.salesforce.com/page/Mobile_SDK)
* [Roll Up Summary Fields with Multi-Currency & Advanced Multi-Currency](https://help.salesforce.com/apex/HTViewHelpDoc?id=fields_about_roll_up_summary_fields.htm&language=en)
* [@InvocableMethod Annotation](https://developer.salesforce.com/docs/atlas.en-us.apexcode.meta/apexcode/apex_classes_annotation_InvocableMethod.htm)
* [Process.Plugin Interface](https://developer.salesforce.com/docs/atlas.en-us.apexcode.meta/apexcode/apex_process_plugin.htm)

===============DUMPS===============

Which component is available to deploy using the Metadata API? Choose 2 answers

A.Case Feed Layout

B.Console Layout

C.Case Layout

D.Account Layout

Why would a developer use Test.startTest() and Test.stopTest()?

A.To create an additional set of governor limits during the execution of a single test class

B.To indicate test code so that it does not impact Apex line count governor limits

C.To start and stop anonymous block execution when executing anonymous Apex code

D.To avoid Apex code coverage requirements for the code between these lines.

A developer creates a Workflow Rule declaratively that updates a field on an object. An Apex update trigger exists for that object. What happens when a user updates a record?

A.The Apex Trigger is fired more than once.

B.No changes are made to the data

C.Both the Apex Trigger and Workflow Rule are fired only once.

D.The Workflow Rule is fired more than once

    How is the currency of the Total\_estimated\_value\_\_c roll-up summary field determined?

A.The values in CampaignMember.Estimated\_value\_\_c are converted into the currency on teh majority of the CampaignMember records and the sum is displayed using that currency.

B.The values in CampaignMember.Estimated\_value\_\_c are summed up and the resulting Total\_estimated\_value\_\_c field is displayed as a numeric field on the Campaign record.

C.The values in CampaignMember.Estimated\_value\_\_c are converted into the currency of the current user, and the sum is displayed using the currency on the Campaign record

D.The values in CampaignMember.Estimated\_value\_\_c are converted into the currency of the Campaign record, and the sum is displayed using the currency on the Campaign record.

What must the Controller for a Visualforce page utilize to override the standard Opportunity view button?

A.The Opportunity StandardController for pre-built functionality.

B.The standardSetController to support related lists for pagination

C.A callback constructor to reference the Standard Controller

D.A constructor that initialises a private Opportunity variable

What is the preferred way to reference web content - such as images, stylesheets, JavaScript, and other libraries, that is used in Visualforce pages?

A.By accessing the content from a third-party CDN

B.By uploading the content as a Static Resource

C.By uploading the content to the documents tab

D.By accessing the content from Chatter files

What is a correct pattern to follow when programming in Apex on a multi-tenant platform?

A.Queries select the fewest fields and records possible to avoid exceeding governor limits(Missed)

B.Apex code is created in a separate environment from schema to reduce deployment errors

C.DML is performed on one record at a time to avoid possible data concurrency issues.

D.Apex classes use the “with sharing” keyword to prevent access from other server tenants

When loading data into an organization, what can a developer do to match records to update existing records? Choose 2 answers

A.Match the Id field to a column in the imported file(Missed)

B.Match the Name field to a column in the imported file

C.Match an auto-generated Number field to a column in the imported file.

D.Match an external Id Text field to a column in the imported file

What is true of a partial sandbox that is not true of a full sandbox? Choose 2 answers

A.More frequent refreshes

B.Only includes necessary metadata

C.Limited to 5GB of data

D.Use of change sets

A developer uses a before insert trigger on the Lead object to fetch the Territory\_\_c object, where the Territory\_\_c.PostalCode\_\_c matches the Lead.PostalCode. The code fails when the developer uses the Apex Data Loader to insert 10,000 Lead records. The developer has the following code block:

01 for(Lead l : Trigger.new){

02    if(l.PostalCode != null){

03        List TerrList = [select Id FROM Territory\_\_c WHERE PostalCode\_\_c =: l.PostalCode];

04        if(terrList.size() >0){

05            l.Territory\_\_c = terrList[0].Id;

06        }

07    }

08 }

Which line of code is causing the code block to fail?

A.03: A SOQL query is located inside of the for loop code.

B.05: The Lead in a before insert Trigger cannot be updated

C.02: a NullPointer exception is thrown if PostalCode is null.

D.01: Trigger.new is not valid in a before insert Trigger.

What is a capability of cross-object formula fields? Choose 3 answers

A.Formula fields can be used in three roll-up summaries per object

B.Formula fields can reference fields in a collection of records from a child relationship

C.Formula fields can reference fields from objects that are up to 10 relationships away.(Missed)

D.Formula fields can expose data the user does not have access to in a record.(Missed)

E.Formula fields can reference fields from master-detail or lookup parent relationships

An org has different Apex classes that provide Account-related functionality. After a new validation rule is added to the Account object, many of the test methods fail.

What can be done to resolve the failures and reduce the number of code changes needed for future validation rules? Choose 2 answers

A.Create a method that performs a callout for a valid Account record, and call this method from within test methods

B.Create a method that queries for valid Account records, and call this method from within test methods.

C.Create a method that loads valid Account records from a Static Resource, and call this method within test methods (Missed)

D.Create a method that creates valid Account records, and call this method from within test methods

Which standard field needs to be populated when a developer inserts a new contact records programmatically?

A.Name

B.AccountId

C.LastName

D.LastName(Missed)

In the code below, what type does boolean inherit from?

    Boolean b = true;

A.Object(Missed)

B.Class

C.Enum

D.String

What should a developer working in a sandbox use to exercise a new test class before the developer deploys that test class to production? Choose 2 answers

A.The REST API and ApexTestRun method

B.The Test menu in the Developer Console

C.The Run Tests page in Salesforce Setup

D.The Apex Test Execution page in Salesforce Setup

A company has a custom object named Warehouse. Each Warehouse record has a distinct record owner, and is related to a parent Account in Salesforce. Which kind of relationship would a developer use to relate the Account to Warehouse?

A.Lookup

B.Parent-Child

C.Master-Detail

D.One-to-Many(Missed

C

What is the minimum log level needed to see user-generated debug statements?

A.DEBUG(Missed)

B.WARN

C.FINE

D.INFO

What is an accurate statement about with sharing keyword? Choose 2 answers:

A.Both inner and outer classes can be declared as with sharing(Missed)

B.Inner classes inherit the sharing setting from the container class

C.Either inner or outer classes can be declared as with sharing, but not both

D.Inner classes do not inherit the sharing setting from the container class(Missed)

A developer creates a new Visualforce page and Apex extension, and writes test classes that exercise 95% coverage of the new Apex extension.

Change set deployment to production fails with the test coverage warning: “Average test coverage across all Apex classes and triggers is 74%, at least 75% test coverage is required.”

What can the developer do to successfully deploy the new Visualforce page and extension?

A.Add test methods to existing test classes from previous deployments(Missed)

B.Create test classes to exercise the Visualforce page markup

C.Select “Fast Deployment” to bypass running all the tests

D.Select “Disable Parallel Apex Testing” to run all the tests.

How can a developer refer to, or instantiate, a PageReference in Apex? Choose 2 answers

A.By using the ApexPages.Page() method with a visualforce page name

B.By using the PageReference.page() method with a partial or full URL

C.By using a pageReference with a partial or full URL(Missed)

D.By using the Page object and a visualforce page name

Which requirement needs to be implemented by using standard workflow instead of Process Builder? Choose 2 answers

A.Copy an account address to its contacts

B.Create activities at multiple intervals(Missed)

C.Send an outbound message without Apex code(Missed)

D.Submit a contract for approval

A company that uses a custom object to track candidates would like to send candidate information automatically to a third-party human resources system when a candidate is hired. What can a developer do to accomplish this task?

A.Create an auto-response rule to the candidate

B.Create a Process Builder with an outbound message action

C.Create an escalation rule to the hiring manager

D.Create a workflow rule with an outbound message action.

**Explanation**

A candidate may apply for multiple jobs at the company Universal Containers by submitting a single application per job posting. Once an application is submitted for a job posting, that application cannot be modified to be resubmitted to a different job posting

What can the administrator do to associate an application with each job posting in the schema for the organisation?

A.Create a lookup relationship in the Applications custom object to the Job Postings custom object

B.Create a master-detail relationship in the Application Custom object to the Job Postings custom object

C.Create a master-detail relationship in the Job Postings custom object to the Applications custom object

D.Create a lookup relationship on both objects to a junction object called Job Posting Applications

Which data structure is returned to a developer when performing a SOSL search?

A.A map of SObject Types to a list of lists of sObjects

B.A map of sObject types to a list of sObjects

C.A list of sObjects

D.A list of list of sObjects.(Missed)

In which order does Salesforce execute events upon saving a record?

A.Validation Rules; Before Triggers; After Triggers; Assignment Rules; Workflow Rules; Commit

B.Before Triggers; Validation Rules; After Triggers; Workflow Rules; Assignment Rules; Commit

C.Validation Rules; Before Triggers; After Triggers; Workflow Rules; Assignment Rules; Commit

D.Before Triggers; Validation Rules; After Triggers; Assignment Rules; Workflow Rules; Commit(Missed)

How can a developer avoid exceeding governor limits when using an Apex Trigger? Choose 2 answers

A.By using Maps to hold data from query results(Missed)

B.By using the database class to handle DML transactions

C.By performing DML transactions on lists of sObjects

D.By using a helper class that can be invoked from multiple triggers

BC

What would a developer do to update a picklist field on related Opportunity records when a modification to the associated Account record is detected?

A.Create a workflow rule with field update

B.Create a visualforce page

C.Create a process with Process Builder(Missed)

D.Create a lightning component

What can be done to resolve the failures and reduce the number of code changes needed for future validation rules? Choose 2 answers

A.Create a method that queries for valid Account records, and call this method from within test methods.

B.Create a method that creates valid Account records, and call this method from within test methods

C.Create a method that loads valid Account records from a Static Resource, and call this method within test methods (Missed)

D.Create a method that performs a callout for a valid Account record, and call this method from within test methods

AB

A company has a custom object named Warehouse. Each Warehouse record has a distinct record owner, and is related to a parent Account in Salesforce. Which kind of relationship would a developer use to relate the Account to Warehouse?

A.Parent-Child

B.Lookup

C.Master-Detail

D.One-to-Many(Missed)

**B**

What is a capability of cross-object formula fields? Choose 3 answers

A.Formula fields can be used in three roll-up summaries per object

B.Formula fields can reference fields from master-detail or lookup parent relationships(Missed)

C.Formula fields can reference fields in a collection of records from a child relationship

D.Formula fields can reference fields from objects that are up to 10 relationships away.

E.Formula fields can expose data the user does not have access to in a record.

When loading data into an organization, what can a developer do to match records to update existing records? Choose 2 answers

A.Match the Id field to a column in the imported file

B.Match the Name field to a column in the imported file

C.Match an external Id Text field to a column in the imported file(Missed)

D.Match an auto-generated Number field to a column in the imported file.

What should a developer working in a sandbox use to exercise a new test class before the developer deploys that test class to production? Choose 2 answers

A.The Run Tests page in Salesforce Setup

B.The Test menu in the Developer Console

C.The REST API and ApexTestRun method

D.The Apex Test Execution page in Salesforce Setup

A developer has a block of code that omits any statements that indicate whether the code block should execute with or without sharing.

What will automatically obey the organization-wide defaults and sharing settings for the user who executes the code in the salesforce Organization?

A.Apex Controllers

B.Anonymous Blocks

C.HTTP Callouts

D.Apex Triggers(Missed)

A developer created an Apex trigger using the Developer Console and now wants to debug code

How can the developer accomplish this in the Developer Console?

A.Add the user name to the Log Inspector

B.Open the Progress tab in the Developer Console

C.Open the Logs tab in the Developer Console

D.Select the Override Log Triggers checkbox for the trigger

How would a developer determine if a CustomObject\_\_c record has been manually shared with the current user in Apex?

A.By querying CustomObject\_\_share

B.By calling the profile settings of the current user

C.By querying the role hierarchy.

D.By calling the isShared() method for the record

////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////

**1. A developer executes following code in Console**  
  
*list<Account> flist = new list<Account>();*  
*for(integer i=1;i<=200 ;i++){*  
 *flist.add(new Account(name='Test Acc'+i));*  
*}*  
*insert flist;*  
 *list<Account> Llist = new list<Account>();*  
*for(integer i=201;i<=20000 ;i++){*  
 *Llist.add(new Account(name='Test Acc'+i));*  
*}*  
*insert Llist ;*  
  
**What will be the output :**  
  
*a. Insert all records*  
*b. Error will occour*  
*c. Insert 200 only*  
*d. 0 records inserted*

System.LimitException: Too many DML rows: 10001  
  
**2. Developer need to verify that the account trigger is working fine with out changing Org data.**  
**what would the developer do to test the Account trigger?**  
  
*a.Use the test menu on developer console to run all test classes for the account trigger.*  
*b.Use Execute Anonymous feature on developer console*  
*c. Use New button on Account tab to create new record*  
*d.Use force.com IDE*  
**3. Which Apex collection is used to ensure all values are unique**  
  
*a. An Sobject*  
*b. Set*  
*c. List*  
*d. Enum*  
  
4*.***What is the result of following code block ?**  
 *integer x =1;*  
*integer y= 0;*  
 *while(X<10){*  
*Y++;*  
*}*  
 *What is the out put :*  
 *a. Error*  
*b. 9*  
*c. 0*  
*d. 10*  
**5. Which statement about declarations is correct :**  
*a. A developer can extend a class that is declared with Virtual keyword*  
*b.A developer can't use class or method using final keyword*  
*c. A developer can use define constant with final keyword.*  
 *6.***What is the benefit of Lightning Component :**  
 *a. It uses Client - Side Apex controller for logic*  
*b.It uses MVC architecture*  
*c. It uses Event - driven architecture*  
 *7***.How to get Current week Account records and it contacts using SOQL**  
 *a. select id,name,(select id,lastname from contact) where createddate=:thisweek*  
***8.*A Visualforce page is displays Email and Phone fields**  
  
User1 can access only Email  
User2 Can access only Phone  
  
A developer need to ensure that user1 can only see Email and User2 can only see Phone fields  
  
a.*Use Schema.isaccessible() Method*

*Might be FLS*  
***9.*Which action can perform using Schema builder**  
*a. Create Custom object*  
*b. Create Custom Field*  
**10. A developer created trigger with following code ,**  
*list<Account> lstAccounts = new list<Account>();*  
*for(order\_\_c objorder:trigger.new){*  
*account a = [select id from Account where id=:objorder.Account\_\_c];*  
*lstAccounts .add(a);*  
*}*  
*update lstAccounts;*  
 *How many order will be load when developer attempts to load 150 records.*  
***1. 0*** *2. 150*  
*3. 100*  
*4. 1*

Where would a developer build a managed package?

A.Partial Copy Sandbox

B.Developer Edition(Missed)

C.Unlimited Edition

D.Developer Sandbox

Which is a valid way of loading external Javascript files into a VisualForce page?Choose 2 anwers

A.Using a tag <apex;incldudeScript>

B.Using an tag <script>

C.Using a tag <link >

D.Using an tag <apex:define>

What is the benefit of the Lightning Component Framework?

A.More pre-built components to replicate the Salesforce look and feel

B.Better integration with Force.com sites.

C.Better performance for custom SalesforceI Mobile apps.

D.More centralized control via server-side logic.

A company would like to send an offer letter to a candiate sign it electronicall, and then send the letter back.  
  
what can a developer do to accomplish this?  
  
A. Create an assignment rule that will assign the offer letter to the candidate.  
B. Create a visual workflow that will capture the candidate signature eletronically.  
C. Developer a process builder that send the offer letter and allow the candidate to sign it electronically.  
D. Install a managed package that will allow the candidate to sign documents electronically.  
  
  
  
How would a developer change the field type of a custom field on account object from a string to an integer?  
  
  
a. Remove all references in the code, make the change in the declarative UI, and restore the references with the new type.  
  
b. Make the change in the developer console, and then the change will automatically be reflected in the apex.  
  
C. make the change in the declarative UI, and then the change will automatically be reflected in the apex code.  
  
D. make the change in the declarative UI, then update the field type to an integer field in-the apex code.  
  
  
What can a lightning component contain in its resource bundle?  
  
A. CSS styles scoped to the component.  
  
B. Custom Client-side rendering behaviour.  
  
C. Build scripts for minification.  
  
D. Properties files with globl settings.

======================================================================================================61Question=================================================================================================================================================================================================================

A developer has the following query:

Contact c = [SELECT id, firstname, lastname, email FROM Contact WHERE lastname = 'Smith'];

What does the query return if there is no Contact with the last name 'Smith'?

A. A contact initialized to null.

B. An error that no rows are found.

C. An empty List of Contacts.

D. A Contact with empty values.

B. An error that no rows are found.

A developer wrote a workflow email alert on case creation so that an email is sent to the case owner manager when a case is created.

When will the email be sent?

A. After Committing to database.

B. Before Trigger execution.

C. After Trigger execution.

D. Before Committing to database.

A. After Committing to database.

What is an accurate constructor for a custom controller named "MyController"?

A. public MyController () {

account = new Account () ;

}

B. public MyController (sObject obj) {

account = (Account) obj;

}

C. public MyController (List objects) {

accounts = (List ) objects;

}

D. public MyController (ApexPages.StandardController stdController) {

account = (Account) stdController.getRecord();

}

A. public MyController () {account = new Account () ;}

A Visualforce page has a standard controller for an object that has a lookup relationship to a parent object.

How can a developer display data from the parent record on the page?

A. By adding a second standard controller to the page for the parent record.

B. By using a roll-up formula field on the child record to include data from the parent record.

C. By using SOQL on the Visualforce page to query for data from the parent record.

D. By using merge field syntax to retrieve data from the parent record.

D. By using merge field syntax to retrieve data from the parent record.

When can a developer use a custom Visualforce page in a Force.com application? (Choose 2)

A. To generate a PDF document with application data

B. To create components for dashboards and layouts

C. To deploy components between two organizations

D. To modify the page layout settings for a custom object

A. To generate a PDF document with application data

B. To create components for dashboards and layouts

A reviewer is required to enter a reason in the comments field only when a candidate is recommended to be hired.

Which action can a developer take to enforce this requirement?

A. Create a required Visualforce component.

B. Create a formula field.

C. Create a required comments field.

D. Create a validation rule.

D. Create a validation rule.

How can a developer avoid exceeding governor limits when using Apex Triggers? (Choose 2)

A. By using a helper class that can be invoked from multiple triggers

B. By using Maps to hold data from query results

C. By using the Database class to handle DML transactions

D. By performing DML transactions on a list of sObjects.

B. By using Maps to hold data from query results

D. By performing DML transactions on a list of sObjects.

Which scenario is invalid for execution by unit tests?

A. Executing methods for negative test scenarios

B. Loading the standard Pricebook ID using a system method

C. Loading test data in place of user input for Flows.

D. Executing methods as different users.

C. Loading test data in place of user input for Flows.

A developer has the following code:

try {

List nameList;

Account a;

String s = a.Name;

nameList.add(s);

}

catch (ListException le ) {

System.debug(' List Exception ');

}

catch (NullPointerException npe) {

System.debug(' NullPointer Exception ');

}

catch (Exception e) {

System.debug(' Generic Exception ');

}

What message will be logged?

A. List Exception

B. NullPointer Exception

C. Generic Exception

D. No message is logged

B. NullPointer Exception

Which action can a developer perform in a before update trigger? (Choose 2)

A. Display a custom error message in the application interface.

B. Change field values using the Trigger.new context variable.

C. Delete the original object using a delete DML operation.

D. Update the original object using an update DML operation.

A. Display a custom error message in the application interface.

B. Change field values using the Trigger.new context variable.

A developer needs to create records for the object Property\_\_c. The developer creates the following code block:

List propertiesToCreate = helperClass.createProperties();

try {

// line 3

}

catch (Exception exp ) {

//exception handling

}

Which line of code would the developer insert at line 3 to ensure that at least some records are created, even if a few records have errors and fail to be created?

A. Database.insert(propertiesToCreate, false);

B. insert propertiesToCreate;

C. Database.insert(propertiesToCreate, System.ALLOW\_PARTIAL);

D. Database.insert(propertiesToCreate);

A. Database.insert(propertiesToCreate, false);

A developer needs to know if all tests currently pass in a Salesforce environment.

Which feature can the developer use? (Choose 2)

A. ANT Migration Tool

B. Workbench Metadata Retrieval

C. Salesforce UI Apex Test Execution

D. Developer Console

C. Salesforce UI Apex Test Execution

D. Developer Console

Where can the custom roll-up summary fields be created using Standard Object relationships (Choose 3)

A. On Opportunity using Opportunity Product records.

B. On Account using Case records.

C. On Quote using Order records.

D. On Campaign using Campaign Member records.

E. On Account using Opportunity records.

A. On Opportunity using Opportunity Product records.

D. On Campaign using Campaign Member records.

E. On Account using Opportunity records.

What is the proper process for an Apex Unit Test?

A. Query for test data using SeeAllData = true. Call the method being tested. Verify that the results are correct.

B. Query for test data using SeeAllData = true. Execute runAllTests(). Verify that the results are correct.

C. Create data for testing. Execute runAllTests(). Verify that the results are correct.

D. Create data for testing. Call the method being tested. Verify that the results are correct.

D. Create data for testing. Call the method being tested. Verify that the results are correct.

How would a developer use Schema Builder to delete a custom field from the Account object that was required for prototyping but is no longer needed?

A. Delete the field from Schema Builder and then all references in the code will be removed.

B. Remove all references in the code and then the field will be removed from Schema Builder.

C. Mark the field for deletion in Schema Builder and then delete it from the declarative UI.

D. Remove all references from the code and then delete the custom field from Schema Builder.

D. Remove all references from the code and then delete the custom field from Schema Builder.

Which statement would a developer use when creating test data for products and pricebooks?

A. Id pricebookId = Test.getStandardPricebookId();

B. Pricebook pb = new Pricebook();

C. IsTest(SeeAllData = false);

D. List objList = Test.loadData(Account.sObjectType, 'myResource');

A. Id pricebookId = Test.getStandardPricebookId();

A developer wants to list all of the Tasks for each Account on the Account detail page.

When a task is created for a Contact, what does the developer need to do to display the Task on the related Account record?

A. Nothing. The task is automatically displayed on the Account page.

B. Nothing. The Task cannot be related to an Account and a Contact.

C. Create a Workflow rule to relate the Task to the Contact's Account.

D. Create an Account formula field that displays the Task information.

A. Nothing. The task is automatically displayed on the Account page.

The Sales Management team hires a new intern.

The intern is not allowed to view Opportunities, but needs to see the Most Recent Closed Date of all child Opportunities when viewing an Account record.

What would a developer do to meet this requirement?

A. Create a trigger on the Account object that queries the Close Date of the most recent Opportunities.

B. Create a Workflow rule on the Opportunity object that updates a field on the parent Account.

C. Create a formula field on the Account object that performs a MAX on the Opportunity Close Date field.

D. Create a roll-up summary field on the Account object that performs a MAX on the Opportunity Close Date field.

D. Create a roll-up summary field on the Account object that performs a MAX on the Opportunity Close Date field.

A developer writes a SOQL query to find child records for a specific parent.

How many levels can be returned in a single query?

A. 1

B. 7

C. 5

D. 3

C. 5

A developer runs the following anonymous code block:

List acc = [SELECT Id FROM Account LIMIT 10];

Delete acc;

Database.emptyRecycleBin(acc);

system.debug(Limits.getDMLStatements() + ', ' + Limits.getLimitDMLStatements() );

What is the result?

A. 2, 150

B. 150, 2

C. 11, 150

D. 150, 11

A. 2, 150

A developer needs to provide a Visualforce page that lets users enter Product-specific details during a Sales cycle.

How can this be accomplished? (Choose 2)

A. Download a Managed Package from the AppExhange that provides a custom Visualforce page to modify.

B. Copy the standard page and then make a new Visualforce page for Product data entry.

C. Download an Unmanaged Package from the AppExchange that provides a custom Visualforce page to modify.

D. Create a new Visualforce page and an Apex controller to provide Product data entry.

C. Download an Unmanaged Package from the AppExchange that provides a custom Visualforce page to modify.

D. Create a new Visualforce page and an Apex controller to provide Product data entry.

A developer wants to display all of the available record types for a Case object. The developer also wants to display the picklist values for the Case.Status field. The Case object and the Case.Status field are on a custom Visualforce page.

Which action can the developer perform to get the record types and picklist values in the controller? (Choose 2)

A. Use Schema.PicklistEntry returned by Case.Status.getDescribe().getPicklistValues().

B. Use Schema.RecordTypeInfo returned by Case.sObjectType.getDescribe().getRecordTypeInfos().

C. Use SOQL to query Case records in the org to get all the RecordType values available for Case.

D. Use SOQL to query case records in the org to get all values for the Status picklist field.

A. Use Schema.PicklistEntry returned by Case.Status.getDescribe().getPicklistValues().

B. Use Schema.RecordTypeInfo returned by Case.sObjectType.getDescribe().getRecordTypeInfos().

A developer needs to ensure there is sufficient test coverage for an Apex Method that interacts with Accounts. The developer needs to create test data.

What is the preferred way to load this test data into Salesforce?

A. By using Documents.

B. By using HttpCalloutMocks.

C. By using WebServiceTests.

D. By using Static Resources.

D. By using Static Resources.

Which statement about change set deployments is accurate? (Choose 3)

A. They use an all or none deployment model.

B. They require a deployment connection.

C. They ca be used to transfer Contact records.

D. They can be used to deploy custom settings data.

E. They can be used only between related organizations. A. They use an all or none deployment model.

B. They require a deployment connection.

E. They can be used only between related organizations.

Which user can edit a record after it has been locked for approval? (Choose 2)

A. Any user with a higher role in the hierarchy

B. A user who is assigned as the current approver

C. Any user who approved the record previously

D. An administrator

B. A user who is assigned as the current approver

D. An administrator

A developer creates an Apex helper class to handle complex trigger logic.

How can the helper class warn users when the trigger exceeds DML governor limits?

A. By using PageReference.setRedirect() to redirect the user to a custom Visualforce page before the number of DML statements is exceeded.

B. By using Messaging.sendEmail() to continue toe transaction and send an alert to the user after the number of DML statements is exceeded.

C. By using AmexMessage.Messages() to display an error message after the number of DML statements is exceeded.

D. By using Limits.getDMLRows() and then displaying an error message before the number of DML statements is exceeded.

D. By using Limits.getDMLRows() and then displaying an error message before the number of DML statements is exceeded.

A developer creates a custom controller and custom Visualforce page by using the following code block:

public class myController {

public String myString;

public String getMyString() {

return 'getmyString';

}

public String getStringMethod1() {

return myString;

}

public String getStringMethod2() { if (myString == null)

myString = 'Method2';

return myString;

}

}

{!myString}, {!StringMethod1}, {!StringMethod2}, {!myString}

What does the user see when accessing the custom page?

A. getMyString , , Method2 , getMystring

B. , , Method2 , getMyString

C. , , Method2,

D. getMyString , , ,

A. getMyString , , Method2 , getMystring

A developer creates an Apex class that includes private methods.

What can the developer do to ensure that the private methods can be accessed by the test class?

A. Add the TestVisible attribute to the Apex class

B. Add the SeeAllData attribute to the test methods.

C. Add the TestVisible attribute to the apex methods.

D. Add the SeeAllData attribute to the test class.

C. Add the TestVisible attribute to the apex methods.

What is the benefit of the Lightning Component framework?

A. Better integration with Force.com sites.

B. More pre-built components to replicate the Salesforce look and feel.

C. More centralized control via server-side logic.

D. Better performance for custom Salesforce 1 Mobile apps.

B. More pre-built components to replicate the Salesforce look and feel.

Which data type or collection of data types can SOQL statements populate or evaluate to? (Choose 3)

A. A single sObject

B. An integer

C. A string

D. A list of sObjects

E. A Boolean

A. A single sObject

B. An integer

D. A list of sObjects

In the Lightning Component framework, which resource can be used to fire events?

A. JavaScript controller actions

B. Third-party web service code.

C. Third-party JavaScript code.

D. Visualforce controller actions.

A. JavaScript controller actions

C. Third-party JavaScript code.

What is a valid source and destination pair that can send or receive change sets? (Choose 2)

A. Developer Edition to Sandbox

B. Sandbox to Production

C. Sandbox to Sandbox

D. Developer Edition to Production

B. Sandbox to Production

C. Sandbox to Sandbox

Where can debug log filter settings be set? (Choose 2)

A. On the monitored user's name.

B. The Show More link on the debug log's record.

C. The Log Filters tab on a class or trigger detail page.

D. The Filters link by the monitored user's name within the web UI.

B. The Show More link on the debug log's record.

C. The Log Filters tab on a class or trigger detail page.

What is the capability of a StandardSetController? (Choose 2)

A. It allows pages to perform pagination with large record sets.

B. It enforces field-level security when reading large record sets.

C. It extends the functionality of a standard or custom controller.

D. It allows pages to perform mass updates of records.

A. It allows pages to perform pagination with large record sets.

D. It allows pages to perform mass updates of records.

When loading data into an operation, what can a developer do to match records to update existing records? (Choose 2)

A. Match an auto-generated Number field to a column in the imported file.

B. Match an external Id Text field to a column in the imported file.

C. Match the Name field to a column in the imported file.

D. Match the Id field to a column in the imported file.

B. Match an external Id Text field to a column in the imported file.

D. Match the Id field to a column in the imported file.

What is a capability of the Force.com IDE? (Choose 2)

A. Edit metadata components.

B. Run Apex tests.

C. Roll back deployments.

D. Download debug logs.

A. Edit metadata components.

B. Run Apex tests.

A developer needs to create a Visualforce page that will override the standard Account edit button. The page will be used to validate the account's address using a SOQL query. The page will also allow the user to make edits to the address.

Where would the developer write the Account address verification logic?

A. In a Standard Extension.

B. In a Standard Controller.

C. In a Custom Controller.

D. In a Controller Extension.

D. In a Controller Extension.

Which type of code represents the Controller in MVC architecture on the Force.com platform? (Choose 2)

A. JavaScript that is used to make a menu item display itself.

B. A static resource that contains CSS and images.

C. Custom Apex and JavaScript coda that is used to manipulate data.

D. StandardController system methods that are referenced by Visualforce.

C. Custom Apex and JavaScript coda that is used to manipulate data.

D. StandardController system methods that are referenced by Visualforce.

Which code block returns the ListView of an Account object using the following debug statement?

system.debug(controller.getListViewOptions() );

A. ApexPages.StandardSetController controller = new ApexPages.StandardSetController( Database.getQueryLocator( 'SELECT Id FROM Account LIMIT 1'));

B. ApexPages.StandardController controller = new ApexPages.StandardController( [SELECT Id FROM Account LIMIT 1]);

C. ApexPages.StandardController controller = new ApexPages.StandardController( Database.getQueryLocator( 'SELECT Id FROM Account LIMIT 1'));

D. ApexPages.StandardController controller = new ApexPages.StandardController( [SELECT Id FROM Account LIMIT 1]);

A. ApexPages.StandardSetController controller = new ApexPages.StandardSetController( Database.getQueryLocator( 'SELECT Id FROM Account LIMIT 1'));

Which declarative method helps ensure quality data? (Choose 3)

A. Validation Rules

B. Workflow alerts

C. Exception Handling

D. Lookup Filters

E. Page Layouts

A. Validation Rules

D. Lookup Filters

E. Page Layouts

When the value of a field in an account record is updated, which method will update the value of a custom field in all related opportunities? (Choose 2)

A. A cross-object formula field on the Account object.

B. An Apex trigger on the Account object.

C. A Workflow Rule on the Account object.

D. A Process Builder on the Account object.

B. An Apex trigger on the Account object.

D. A Process Builder on the Account object.

In which order does Salesforce execute events upon saving a record?

A. Before Triggers; Validation Rules; After Triggers; Assignment Rules; Workflow Rules; Commit

B. Validation Rules; Before Triggers; After Triggers; Workflow Rules; Assignment Rules; Commit

C. Before Triggers; Validation Rules; After Triggers; Workflow Rules; Assignment Rules; Commit

D. Validation Rules; Before Triggers; After Triggers; Assignment Rules; Workflow Rules; Commit

A. Before Triggers; Validation Rules; After Triggers; Assignment Rules; Workflow Rules; Commit

Which statement about the Lookup Relationship between a Custom Object and a Standard Object is correct?

A. The Custom Object inherits security from the referenced Standard Object.

B. The Lookup Relationship on the Custom Object can prevent the deletion of the Standard Object.

C. The Custom Object will be deleted when the referenced Standard Object is deleted.

D. The Lookup Relationship cannot be marked as required on the page layout for the Custom Object.

B. The Lookup Relationship on the Custom Object can prevent the deletion of the Standard Object.

What is an accurate statement about variable scope? (Choose 3)

A. Parallel blocks can use the same variable name.

B. A variable can be defined at any point in a block.

C. Sub-blocks cannot reuse a parent block's variable name.

D. Sub-blocks can reuse a parent block's variable name if it's value is null.

E. A static variable can restrict the scope to the current block of its value is null. A. Parallel blocks can use the same variable name.

B. A variable can be defined at any point in a block.

C. Sub-blocks cannot reuse a parent block's variable name.

How can a developer determine, from the DescribeSObjectResult, if the current user will be able to create records for an object in Apex?

A. By using the isInsertable() method.

B. By using the isCreatable() method.

C. By using the hasAccess() method.

D. By using the canCreate() method.

B. By using the isCreatable() method.

Which statement should a developer avoid using inside procedural loops? (Choose 2)

A. System.debug('Amount of CPU time (in ms) used so far: ' + Limits.getCpuTime() );

B. List contacts = [SELECT Id, Salutation, FirstName, LastName, Email FROM Contact WHERE AccountId = :a.Id];

C. if(o.accountId == a.id)

D. update contactList;

B. List contacts = [SELECT Id, Salutation, FirstName, LastName, Email FROM Contact WHERE AccountId = :a.Id];

D. update contactList;

On which object can an administrator create a roll-up summary field?

A. Any object that is on the detail side of a master-detail relationship.

B. Any object that is on the child side of a lookup relationship.

C. Any object that is on the parent side of a lookup relationship.

D. Any object that is on the master side of a master-detail relationship.

D. Any object that is on the master side of a master-detail relationship.

How would a developer determine if a CustomObject\_\_c record has been manually shared with the current user in Apex?

A. By querying the role hierarchy.

B. By calling the isShared() method for the record.

C. By querying CustomObject\_\_Share.

D. By calling the profile settings of the current user.

C. By querying CustomObject\_\_Share.

What is a capability of formula fields? (Choose 3)

A. Generate a link using the HYPERLINK function to a specific record in a legacy system.

B. Display the previous values for a field using the PRIORVALUE function.

C. Return and display a field value from another object using the VLOOKUP function.

D. Determine if a datetime field has passed using the NOW function.

E. Determine which of three different images to display using the IF function.

A. Generate a link using the HYPERLINK function to a specific record in a legacy system.

D. Determine if a datetime field has passed using the NOW function.

E. Determine which of three different images to display using the IF function.

A Hierarchy Custom Setting stores a specific URL for each profile in Salesforce.

Which statement can a developer use to retrieve the correct URL for the current user'sprofile and display this on a Visualforce Page?

A. {!$Setup.Url\_Settings\_\_C.Instance[Profile.Id].URL\_\_c}

B. {!$Setup.Url\_Settings\_\_C.URL\_\_c}

C. {!$Setup.Url\_Settings\_\_C.[Profile.Id].URL\_\_c}

D. {!$Setup.Url\_Settings\_\_C.[$Profile.Id].URL\_\_c}

B. {!$Setup.Url\_Settings\_\_C.URL\_\_c}

Which type of information is provided by the Checkpoints tab in the Developer Console? (Choose 2)

A. Namespace

B. Time

C. Exception

D. Debug Statement

A. Namespace

B. Time

What is a good practice for a developer to follow when writing a trigger? (Choose 2)

A. Using @future methods to perform DML operations.

B. Using the Map data structure to hold query results by ID.

C. Using the Set data structure to ensure distinct records.

D. Using synchronous callouts to call external systems.

B. Using the Map data structure to hold query results by ID.

C. Using the Set data structure to ensure distinct records.

What is an important consideration when developing in a multi-tenant environment?

A. Governor limits prevent tenants from impacting performance in multiple orgs on the same instance.

B. Unique domain names take the place of namespaces for code developed for multiple orgs on multiple instances.

C. Polyglot persistence provides support for a global, multilingual user base in multiple orgs on multiple instances.

D. Org-wide data security determines whether other tenants can see data in multiple orgs on the same instance.

A. Governor limits prevent tenants from impacting performance in multiple orgs on the same instance.

Which trigger event allows a developer to update fields in the Trigger.new list without using an additional DML statement? (Choose 2)

A. After update.

B. Before insert.

C. Before update.

D. After insert.

B. Before insert.

C. Before update.

In a single record, a user selects multiple values from a multi-select picklist.

How are the selected values represented in Apex?

A. As a String with each value separated by a comma.

B. As a Set with each value as an element in the set.

C. As a List with each value as an element in the list.

D. As a String with each value separated by a semicolon.

D. As a String with each value separated by a semicolon.

What is a valid way of loading external JavaScript files into a Visualforce page? (Choose 2)

A. Using an (apex:includeScript)\* tag. \>

B. Using an (apex:define)\* tag.

C. Using a (link)\* tag.

D. Using a (script)\* tag.

\*For this question, replace ( ) with less/greater than symbols.

A. Using an (apex:includeScript)\* tag.

D. Using a (script)\* tag.

\*For this question, replace ( ) with less/greater than symbols.

Where would a developer build a managed package?

A. Developer Sandbox

B. Unlimited Edition

C. Partial Copy Sandbox

D. Developer Edition

D. Developer Edition

What is the value of x after the code segment executes?

String x = 'A';

Integer i = 10;

if ( i < 15 ) {

i = 15;

x = 'B';

}

else if ( i < 20 ) {

x = 'C';

}

else {

x = 'D';

}

A. D

B. A

C. B

D. C

C. B

A company wants a recruiting app that models candidates and interviews; displays the total number of interviews on each candidate record; and defines security on interview records that is independent from the security on candidate records.

What would a developer do to accomplish this task? (Choose 2)

A. Create a lookup relationship between the Candidate and Interview objects.

B. Create a master-detail relationship between the Candidate and Interview objects.

C. Create a trigger on the Interview objects that update a field on the Candidate object.

D. Create a roll-up summary field on the Candidate object that counts Interview records.

A. Create a lookup relationship between the Candidate and Interview objects.

C. Create a trigger on the Interview objects that update a field on the Candidate object.

A developer has a block of code that omits any statements that indicate whether the code block should execute with or without sharing.

A. HTTP Callouts

B. Apex Controllers

C. Anonymous Blocks

D. Apex Triggers

A. HTTP Callouts

When creating unit tests in Apex, which statement is accurate?

A. Unit tests with multiple methods result in all methods failing every time one method fails.

B. System Assert statements that do not increase code coverage contribute important feedback in unit tests.

C. Triggers do not require any unit tests in order to deploy them from sandbox to production

D. Increased test coverage requires large test classes with many lines of code in one method.

B. System Assert statements that do not increase code coverage contribute important feedback in unit tests.